

Application No. 10/697,304
Amendment dated November 14, 2007
After Final Office Action of August 14, 2007

Docket No.: 0698-0165P

REMARKS

Claims 11, 12 and 14-16 are pending in the present application. Claims 1-10 and 13 have been canceled without prejudice or disclaimer. Claims 11, 12 and 14 have been amended, and claim 16 is newly presented.

Reconsideration of the application as amended is respectfully requested.

Amendments to the Claims

Claim 11 has been amended in order to clarify the present invention by incorporating the technical features of claim 13, as supported by paragraph [0021] in the present specification. Claim 13 has been canceled and claim 14 has been amended accordingly. As stated in paragraph [0021] of the present specification, it is clear that as the BIOS 31 has previously moved the parameters to address B, the disk array auxiliary program called by the storage management software 30 does not carry any parameters, and thus the disk array auxiliary program needs to extract and decode the parameters from the default parameter addresses in the BIOS 31, so as to restore the original parameters. In other words, the clearing procedure for the parameters is carried out during the transferring of the parameters from an address to another address, and certainly the clearing procedure is performed while the power is on. In order to further clarify the present invention, claim 16, which incorporates the technical features of claim 13, has been added. No new matter has been introduced by the above amendments.

Consideration of the amendments to the claims is respectfully requested.

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Claim Objections

Claim 12 stands objected to because of certain informalities. More specifically, the Examiner asserts that "the second address" should be amended to read --a second address--.

As will be seen by the above amendments, claim 12 has been amended as suggested by the Examiner. Accordingly, reconsideration and withdrawal of the objection to claim 12 is respectfully requested.

Claim Rejections

Claims 11-15 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Issa et al. (U. S. Patent 5,801,621 – hereinafter "Issa"). This rejection is respectfully traversed.

On page 3 of the Office Action, the Examiner states that according to column 2, line 10, Issa discloses that changing the parameters to the second type changes a sequence of the parameter. Applicant respectfully disagrees.

According to column 2, lines 10-14, Issa only discloses transferring at least one vehicle parameter stored in a volatile memory of a controller and transferring the vehicle parameter stored in the volatile memory. It is clear that Issa only discloses storing at least a parameter to a first memory and transferring the parameter to a second memory. In other words, Issa discloses transferring the stored parameter. It is silent that the sequence of parameters is changed.

However, as recited in amended claim 11 and new claim 16, the present invention provides a method comprising the steps of storing the parameters to the RAM in a first type; changing the parameters in a first type to be in a second type; and storing the parameters in the

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second type in the NVRAM. The step of changing the parameters in the first type to be in the second type is performed by changing a sequence of the parameters. Hence, the present invention provides a method for protecting an embedded software from being copied and used without authorization in virtue of a technical feature of **changing the sequence of the parameters**. Therefore, Issa obviously fails to disclose such technical features of the present invention.

In addition, the Examiner states on page 3 of the outstanding Office Action that according to column 2, lines 31-33, Issa discloses the clearing of the parameters in the RAM.

As will be seen by the above amendments, claim 11 is further characterized in that the clearing of the parameters in the first type in the RAM occurs while the power is still on. However, according to column 2, lines 31-33 of Issa, it is clear that the clearing of the parameters is a result of a power loss caused by disconnection or the battery being drained. Accordingly, the technical features of the present invention are different from those of Issa.

Based on the above-mentioned technical features of the present invention, it is clear that before parameters are called upon, the main program of the embedded software stores the parameters in a buffer; through the transfer function, the parameters in the buffer are then shifted according to a different sequence to another storage interface; and as the auxiliary program is subsequently called upon, the parameters need to be extracted from a default parameter address and decoded since it does not carry any parameters. Accordingly, the present invention uses a transfer function of the firmware in an electronic information appliance to prevent the execution of the embedded software in an unauthorized hardware.

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Issa discloses transferring the stored parameters rather than a sequence arrangement of the parameters. Therefore, the present invention cannot be achieved by Issa. In addition, the parameters clearing step occurs while the power is off in Issa, while the present invention teaches clearing the parameters in the first type in the RAM while the power is still provided to the electronic information appliance. Hence, the technical features and effects of the present invention are different from those disclosed by Issa and cannot be achieved by Issa.

In view of the above, it is believed that independent claims 11 and 16, as well as dependent claims 12, 14 and 15, are not rendered unpatentable by the cited art, and, therefore, all of claims 11, 12 and 14-16 are believed to be in condition for immediate allowance. Accordingly, reconsideration and withdrawal of the rejection under 35 U.S.C. § 103 are respectfully requested.

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Conclusion

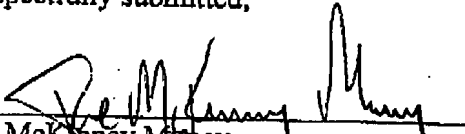
In view of the above remarks, it is believed that claims are allowable.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned, at the telephone number below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

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Respectfully submitted,

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